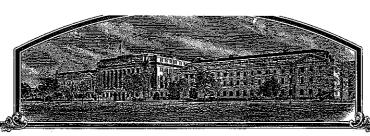
200600187

No.



THE UNITED SHATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

Ar. Heter Franck

MICEOUS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQURED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR ORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE E, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT OBY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEO.)

WHEAT, COMMON

'Fireball'

In Jestimonn Merror, I have hereunto set my hand and caused the seal of the Mant Enricts Frotestion Office to be affixed at the City of Washington, D.C. this twenty-ninth day of September, in the year two thousand and six.

Allest:
Commissioner

Plant Variety Protection Office Agricultural Marketing Service tary of Agriculture

REPRODUCE LOCALLY. Include form number and d	ate on all reprodu	ıctions				Form Approved - OMB No. 0581-0055	
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE (Instructions and information collection burden statement on reverse)			The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552e) and the Paperwork Reduction Act (PRA) of 1995. Application is required in order to determine if a plant variety protection cer			;	
1. NAME OF OWNER			2. TEMPORARY DESIGNA EXPERIMENTAL NAME	TION OR 3	3. VARIETY	YNAME	_
DR. PETER FRANCK			ACS 51651	. <i>(</i>			
4. ADDRESS (Street and No., or R.F.D. No., City,	State, and ZIP Co	de, and Country)	5. TELEPHONE (include are	5. TELEPHONE (include area code) FOR OFFICIAL USE ONLY			
PFLANZENZUCHT OBERLIMPURG OBERLIMPURG	, DR. FRAN	CK	+49-791-931	1180			
D 74523 SCHWAEBISCH HALL			6. FAX (include area code)		20(1600 187	
GERMANY			+49-791-473	333	FILING DATE		
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) 8. IF INCORPORATED, GIVE STATE OF INCORPORATION			9. DATE OF INCORPORATI	TON	Δc	onl 20, 200le	
40. NAME AND A PODEGO OF CHANGO DECORES	- LIT & TIV (T/O) TO						_
10. NAME AND ADDRESS OF OWNER REPRESS BEED-LINK INC. P.O. BOX 217 LINDSAY, ONTARIO K9V 5Z4 CANADA	entative(s) to s	SERVE IN THIS APPLICATION. <i>(Fil</i> s	t person listed will receive all pape	era)	R DA CE	ING AND EXAMINATION FEES: 4382.00 ATE 4/20/06 ERTIFICATION FEE: 768.00 TE 8/28/06	
11. TELEPHONE (Include area code)	12. FAX (Includ	le area code)	13. E-MAIL				
(705) 325-0544	(705) 324-2:			sloffice@seed-link.ca			
14. CROP KIND (Common Name)	16. FAMILY NA	AME (Botanical)	l	18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL)			
SPRING WHEAT	POACEAE		ESO DI EASE CI		GNED USD	A-APHIS REFERENCE NUMBER FOR THE	:
15. GENÚS AND SPECIES NAME OF CROP 17. IS THE VARIETY A FIRST GENERATION HYBRID TRITICUM AESTIVUM 17. IS THE VARIETY A FIRST GENERATION HYBRID TRITICUM AESTIVUM 18. GENÚS AND SPECIES NAME OF CROP 17. IS THE VARIETY A FIRST GENERATION HYBRID TRITICUM AESTIVUM			TION TO DER		THE GENETICALLY MODIFIED PLANT FO		
19. CHECK APPROPRIATE BOX FOR EACH ATTA (Follow instructions on reverse)	CHMENT SUBMI	TTED	20. DOES THE OWNER	R SPECIFY TH	(AT SEED (OF THIS VARIETY BE SOLD AS A CLASS of the Plant Variety Protection Act)	
a. Exhibit A. Origin and Breeding History	of the Variety		YES (# 'yes	s", answer item	s 21 and 22	below) NO (If "no", go to item 23)	
b. Z Exhibit B. Statement of Distinctness			21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES?				
c. Exhibit C. Objective Description of Vari	ety		☑ YES □	ON [
d. Exhibit D. Additional Description of the e. Exhibit E. Statement of the Basis of the		nio.		R SPECIFY TH		ION I REGISTERED I CERTIFIED OF THIS VARIETY BE LIMITED AS TO	_
f. 7 Voucher Sampla (2,500 viable untreate verification that tissue culture will be de	d seeds or, for tub	er propagated varieties,		NO		•	
repository)			IF YES, SPECIFY T	HE NUMBER	1,2,3, etc. f	FOR EACH CLASS.	
g. Filing and Examination Fee (\$3,652), m States" (Mail to the Plant Variety Protect		easurer of the United	FOUNDATION (If additional explana	FOUNDATION TREGISTERED CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)			
23. HAS THE VARIETY (INCLUDING ANY HARVES FROM THIS VARIETY BEEN SOLD, DISPOSED OTHER COUNTRIES?				24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)?			-
YES NO			☐ YES ☑	☐ YES ☑ NO			
IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)				IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)			
 The owners declare that a viable sample of basi a tuber propagated variety a tissue culture will b 	e deposited in a p	ublic repository and maintained for th	e duration of the certificate.				
The undersigned owner(s) is(are) the owner of the entitled to protection under the provisions of Sec	his sexually reprod tion 42 of the Plan	uced or tuber propagated plant varied at Variety Protection Act.	ty, and believe(s) that the variety i	is new, distinct	, uniform, a	and stable as required in Section 42, and is	
Owner(s) is (are) informed that false representat	ion herein can jeop	pardize protection and result in penal	ties.		$\overline{}$		
SIGNATURE OF OWNER ACCOUNT	lle	e	SIGNATURE OF OWNER	110	10	elle	
NAME (Please print or type)		7	NAME (Please print or type)				_
DR. PETER FRANCK		(1	101 GT	Franck	
CAPACITY OR TITLE DATE CAP			CAPACITY OR TITLE	D/	ATE		_
BREEDER 03/07/2006 BR			BREEDER	C	03/07/200	06	
	· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·	

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. Do NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvpindex.htm

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 http://www.ams.usda.gov/lsg/seed.htm.

ITEM

- 19a. Give:
- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and e person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

EXHIBIT A BREEDING HISTORY

Name of applicant:

Dr. Peter Franck

Experimental Number:

ACS 51651 Hard Red Spring Wheat

ACS 51651 is a hard red spring wheat bred by

Dr.Peter Franck Pflanzenzucht Oberlimpurg 74523 Schwaebisch Hall; Germany.

The variety is the result of the following crosses and selections:

Pedigree:

MS-DAD-PRIV / "Complex Cross"

MS-DAD-PRIV

Exp.Line developed as scab tolerance donor

"Complex Cross"

Exp.Line derived from composite cross

TOR-GUL-SAP-B580-B564

F1 seeds were bulked at harvest 1990; the F2 to F7 generations were grown and selected in Oberlimpurg.

Agronomically acceptable rows were selected; 25 such rows were multiplied. Testing of agronomic values started in F9 generation in North America and Europe. successive generations were tested in various US-states, mainly in North Dakota and Minnesota.

Stages of Selection and Multiplication:

From this 25 rows 1 line was finally selected and bulked.

Breeders seed was planted in 2004 and approximately 50 acres in spring 2005 for the purpose of production of Foundation Seed.

ACS 51651 will be maintained at Oberlimpurg throughout the duration of Plant Variety Protection, based on 800 single plant progenies sown annually as "ear to row". Negative selection based on obvious criteria in all stages from 4-leaf-stage to harvest. Breeders Seed production is generated from this material.

Uniformity and Stability Statement:

ACS 51651 has been observed for 5 generations of increase and is stable and uniform. Variants appear in ACS 51651 at a frequency of about 1 in 5000. These variants are 3-5 cm taller, but are identical in all other characteristics as described in Exhibit C. These variants are commercially acceptable.

Selection criteria: high yields, scab tolerance, lodging resistance, leaf rust resistance

Herewith we are giving you a more detailed information about the parentage of the variety Fireball.

Not all of the used parents in this complex cross can be traced to varieties which are publicly known, because of the fact that we are developing lines with special disease resistance traits for the only reason to use them as parents.

MS = stands for Misor

DAD = stands for Dandy

PRIV = stands for Privileg

TOR = stands for Torka

GUL = stands for Gulf

SAP = stands for Sappho

B 580 = PZO- experimental line - developed only the for use as parental line

B 564 = PZO- experimental line – developed for the only use as parental line

EXHIBIT B STATEMENT OF DISTINCTNESS

Name of applicant:

Dr. Peter Franck

Experimental Number:

ACS 51651

Most similar variety:

GRANITE

Denomination of most similar variety	Characteristics, in which the similar variety is different	State of expression of most similar variety	State of expression of ACS 51651
GRANITE	10. Stem: C. Hairness (last internode of rachis)	1 = Absent	2 = Present
GRANITE	11. Head A. Density	2 = Middense	3 = Dense
GRANITE	11. Head B. Shape	1 = Tapering	2 = Strap

REPRODUCE LOCALLY. Include form number and date on all reproductions.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY

	Wheat (Tr	<i>iticum</i> spp.)		
NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMEN	TAL DESIGNATION		ivname FIREBAL	•
DR. PETER FRANCK	ACS 51651			FIREBAL	<u></u>
ADDRESS (Street and No. or RI) No., City, State, Zip Code and Co	ountry)				
PFLANZENZUCHT OBERLIMPURG, I OBERLIMPURG D 74523 SCHWAEBISCH HALL / GEF			PVPO N	2006 (0 187
PLEASE READ ALL INSTRUCTIONS CAREF	ULLY;				
Place the appropriate number that describes the when number is either 99 or less or 9 or less reshould be determined from varieties entered in designate system used: your application.	spectively. Data for quantitative p	lant characters sh Society or any re	ould be based on a cognized color star	a minimum of 100 plan ndard may be used to	its. Comparative data determine plant color
1. KIND: 1 = Common 2 = Durum 3 = Club 4 = Other (Specify)		2:	TION: = Spring = Winter = Other (Specify) _		
3. COLEOPTILE ANTHOCYANIN: 1	sent	[2]	PLANT GROWTH:	2 = Semi-erect	3 = Erect
5. PLANT COLOR: (boot stage) 2 1 = Yellow-Green 2 = Green 3 = Blue-Green		1 1:	: (boot stage) : Erect : Not Twisted : Wax Absent	2 = Recurved 2 = Twisted 2 = Wax Present	
7. EAR EMERGENCE: 1 8 5 Number of Days (Average) 0 4 Number of Days Earlier Than Same As Number of Days Later Than	• POLARIS • GRANITE • ALSEN *Relative to a PVPO-Approved	Commercial Varie	ety Grown in the So	ame Trial	
3. ANTHER COLOR: 1 1 = Yellow 2 = Purple					ام

D. BEAK

3

1 = Obtuse

2 = Acute 3 = Acuminate

Exhibit	c	(Wheat)
PWHINIT	v	(ruineas)

		Exhibit C (Wheat
13. SEED:	200600	187
A. SHAPE	E. COLOR	-
1 = Ovate 2 = Oval 3 = Elliptical	3 1 = White 2 = Amber 3 = Red 4 = Other (Specify)	
B. CHEEK	F. TEXTURE	
1 = Rounded 2 = Angular	1 = Hard 2 = Soft 3 = Other (Specify)	
C. BRUSH	G. PHENOL REACTION (See Instructions)	
1 = Short	1 = Ivory 4 = Dark Brown 2 = Fawn 5 = Black 3 = Light Brown	
D. CREASE	H. SEED WEIGHT	
1 = Width 60% or less of Kernel 2 = Width 80% or less of Kernel 3 = Width Nearly as Wide as Kernel	2 6 g/1000 Seed (Whole number only)	
1 = Depth 20% or less of Kernel	I. GERM SIZE	
2 = Depth 35% or less of Kernel 3 = Depth 50% or less of Kernel	1 = Small 2 = Midsize 3 = Large	
14. DISEASE: PLEASE INDICATE THE SPECIFIC RACE OR STRA	NIN TESTED	
(0 = Not Tested 1 = Susceptible	2 = Resistant 3 = Intermediate 4 = Tolerant)	
O Stem Rust (Puccinia graminis f. sp. tritici)	4 Leaf Rust (Puccinia recondita f. sp. tritici)	
4 Stripe Rust (Puccinia striiformis)	O Loose Smut (Ustilago tritici)	
Tan Spot (Pyrenophora tritici-repentis)	Flag Smut (Urocystis agropyri)	
Halo Spot (Selenophoma donacis)	O Common Bunt (Tilletia tritici or T. laevis)	
Septoria nodorum (Giume Blotch)	O Dwarf Bunt (Tilletia controversa)	. *
Septoria avenae (Speckled Leaf Disease)	Karnal Bunt (Tilletia indica)	
Septoria tritici (Speckled Leaf Blotch)		
	To remain what (Erysiphe granums I. sp. billio)	
	O Show Moros	
Diack Folit (Nemer Stitudge)	C	
		"
	Didox Orian (Nantromonas campestris pv. transuceris).	
Threat Tellow (operate offeath) Mosaic Villas	Bacterial Leaf Blight (Pseudomonas syringae pv. syringae)	
Wheat offear Mosaic Vilus (Wolfey)	Other (Specify)	
Other (Specify)	Other (Specify)	
Other (Specify)	Other (Specify)	•
Other (Specify)	Other (Specify)	
15. INSECT: (0 = Not Tested 1 = Susceptible 2 = Resistant		
[7]	IFY BIOTYPE (where needed)	
Hessian Fly (Mayetiola destructor)	Other (Specify)	-
Stem Sawfly (Cephus spp.)	Other (Specify)	-
O Cereal Leaf Beetle (Oulema melanopa)	Other (Specify)	- 8
ST-470-06 (04-03) designed by the Plant Variety Protection Office using Microsoft Word 2000.		Page 3 of 5

Exhibit C (Wheat)

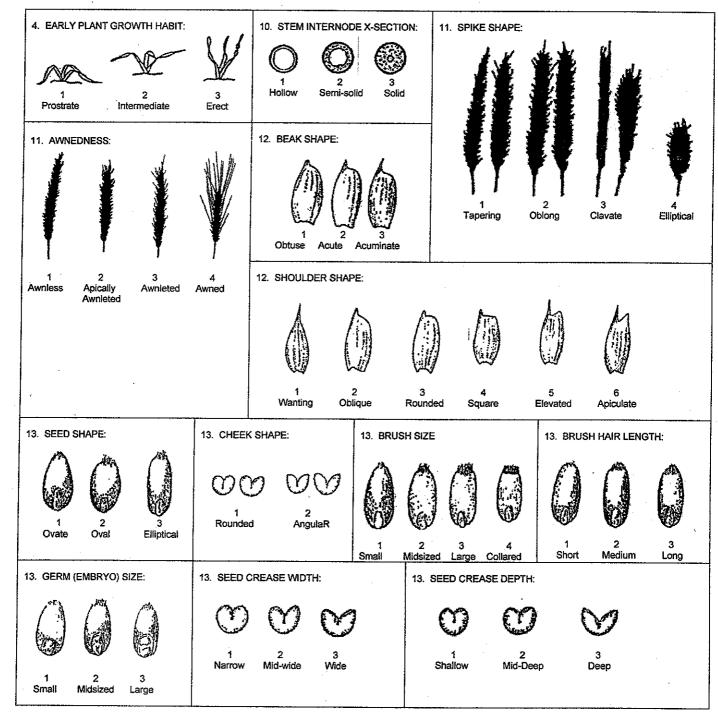
15. INSECT: (continued)	0 = Not Tested	1 = Susceptible	2 = Resistant	3 = Intermediate	4 = Tolerant	
		PLEASE S	SPECIFY BIOTYPE	(Where Needed)		
0 Russian Aphid (D	iuraphis noxia)		Other (Specify)		
O Greenbug (Schize	aphis graminum)		Other (Specify)		
0 Aphids			Other (Specify)		•

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

WHEAT DESCRIPTOR ILLUSTRATIONS

Section Numbers Correspond to the Numbers of the Sections on the Form

0 187





O. BOX 217. LINDSAY, ONTARIO, CANADA

4 *K9V 5Z4*

TELEPHONE: (705) 324-0544

FAX: (705) 324-2556

E-MAIL: sloffice@seed-link.ca

Application 200600187 – Fireball Wheat Exhibit D – Amendment July 4, 2006

Milling and Baking Data

CII LABORATORY SERVICES

Peter E. Bonis Seed-link, Inc. P.O. Box 217 208 St. David st Lindsay, ON, Canada K9V5Z4 Fax: 705-324-2550

e-mail: sloffice@seed-link.ca

Batch#: Report Date: Samples Received: 33811 July 3, 2006 June 27, 2006

Sample Identification:

060627L001 X-Mill Wheat,

Sample Identification:

060627L002

X-Mill Wher Fireball	at,	X-Mill Wheat, Fireball
Analysis	Analysis	
Moisture (%) 12.3	0 Moisture (%)	14.30
Protein N x 5.7 (12% MB) (%) 14.4	8 Protein N x 5.7 (14% MB) (%)	13.12
Falling Number (sec.) 246		
Yield (%) 70.8	0 Peak (min.)	8.50
Test Weight (lb/bu) 60.4	Tolerance (Stability) (min.)	15.50
	Absorption (%)	62.40
	M.T.I. (BU)	30
	Starch Damage (%)	7.38
	Color (Minolta)	
	L	92.4
	Α	-2.4
	В	7.9
	Bakery Data (Pup Loaf)	
	Mix (straight dough) (min.)	4.5
	Bake Absorption (%)	65.0
	Dough Temp. (°)	79.6
	Fermentation Time (min.)	180
	Proof Time (min.)	55
	Bake @ 425° (min.)	15
	Volume (cc)	850
	Volume (cc)	875
	Bread Score	
	Crust (10)	7
	Symmetry (10)	8
	Uniformity (10)	8
Comments:	Texture (20)	17
This is a high protein wheat but the falling number		15
is low. The farinograph is quite strong with a very		8
absorption level. We used a normal mix and bake		10
bread with superior volume, acceptable texture b		10
open grain.	Bread Score Total (100)	83

NET RODUCE LOCALLY, include form number and edition date on all	reproductions.	ORM APPROVED - OMB No. 0581-0055			
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE	Application is required in order to dete certificate is to be issued (7 U.S.C. 24				
EXHIBIT E	confidential until the certificate is issue				
STATEMENT OF THE BASIS OF OWNERSHIP		,			
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME			
DR. PETER FRANCK	ACS 51651	FIREBALL			
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)			
PFLANZENZUCHT OBERLIMPURG, DR. FRANCK OBERLIMPURG		-			
D 74523 SCHWAEBISCH HALL GERMANY	7. PVPO NUMBER				
S.E.G. M. T.	20	0600 187			
8. Does the applicant own all rights to the variety? Mark an "X" in the	e appropriate block. If no, please explai	n. YES NO			
9. Is the applicant (individual or company) a U.S. national or a U.S. b.	ased company? If no, give name of co	ountry. YES 77 NO			
GERMANY					
10. Is the applicant the original owner? YES	NO If no, please answer one one	of the following:			
a. If the original rights to variety were owned by individual(s), is (a	are) the original owner(s) a U.S. Nationa	l(s)?			
YES	NO If no, give name of countr				
i	GERMANY				
A PER LA ARRANA A AR					
b. If the original rights to variety were owned by a company(ies),					
YES NO If no, give name of country					
	GERMANY				
11. Additional explanation on ownership (Trace ownership from origin	al breader to current owner. Use the re	verse for extra chace if needed)			
The state of the s	a brooder to durier owner. Ode are re	verse for extra space if freeded).			
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N CASE MOTE					
PLEASE NOTE:		•			
Plant variety protection can only be afforded to the owners (not license	ees) who meet the following criteria:				
 If the rights to the variety are owned by the original breeder, that pe national of a country which affords similar protection to nationals of 	rson must be a U.S. national, national o the U.S. for the same genus and specie	f a UPOV member country, or ss.			
 If the rights to the variety are owned by the company which employenationals of a UPOV member country, or owned by nationals of a congenus and species. 	ed the original breeder(s), the company ountry which affords similar protection to	must be U.S. based, owned by nationals of the U.S. for the same			
B. If the applicant is an owner who is not the original owner, both the o	original owner and the applicant must me	eet one of the above criteria.			
the original breeder/owner may be the individual or company who direct for definitions.	ected the final breeding. See Section 41	(a)(2) of the Plant Variety Protection			
ccording to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, a ortrol number. The valid OMB control number for this information collection is 0581-0055. I clustering the time for making the instructions searching a visiting adds courses, cathering as	The time required to complete this information collecti	of information unless it displays a valid OMB on is estimated to average 0.1 hour per response,			

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